## Index of Claims

Application/Control No.

10/534.040 Examiner

Applicant(s)/Patent under Reexamination

YANO ET AL. Art Unit

Rejected Allowed

(Through numeral) Cancelled Restricted

Non-Elected N Interference

HERBERT J. LILLING

Appeal Α o Objected

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|-------|----------|----------|---------|---------|---------|---------|---------|---------|----------|----------|------------|----------|---------------|---------|---------|----------|----------|---------------|----------|----------|----------|----------|---------|---------|--------------|----------|----------|---------|-----|
| CI    | aim      | Date     |         |         |         |         |         |         |          |          | Claim Date |          |               |         |         |          | $\neg$   | Cli           | aim      | Date     |          |          |         |         |              |          |          |         |     |
| Final | Original | 6/16/09  |         |         | Ī       | Ī       |         |         |          | Final    | Original   |          |               |         | Ī       |          |          |               |          | Final    | Original |          | T       |         |              |          |          |         |     |
| _     |          |          | -       | +       | +       | +       | +       | ╀       | Н        | -        |            | Н        | +             | +       | +       | H        | Н        | $\dashv$      | 4        | $\vdash$ |          | $\vdash$ | +       | +       | +            | ⊢        | Н        | +       | 4   |
| _     | 1 2      | √<br>N   | +       | +       | +       | +       | +       | ╀       | Н        | -        | 51<br>52   | Н        | +             | +       | +       | ⊢        | Н        | $\dashv$      |          | $\vdash$ | 101      | $\vdash$ | +       | +       | +            | ⊢        | $\vdash$ | +       | 4   |
| _     | 3        | N        | +       | +       | +       | +       | +       | +       | Н        | -        | 53         | Н        | +             | +       | +       | $\vdash$ | H        | $\dashv$      | $\dashv$ | $\vdash$ | 102      | $\dashv$ | +       | +       | +            | $\vdash$ | $\vdash$ | +       | +   |
| _     | 4        | N        | +       | +       | +       | +       | +       | +       | Н        | _        | 54         | Н        | $\rightarrow$ | +       | +       | $\vdash$ | $\vdash$ | $\dashv$      | $\dashv$ | $\vdash$ | 103      | $\dashv$ | +       | +       | +            | -        | $\vdash$ | +       | +   |
| _     | 5        | N        | +       | +       | +       | +       | +       | +       | Н        | _        | 55         | Н        | +             | +       | +       | Н        | $\vdash$ | $\dashv$      | -        | $\vdash$ | 105      | $\dashv$ | +       | +       | +            | +        | $\vdash$ | +       | 4   |
| _     | 6        | N        | +       | +       | +       | +       | +       | +       | Н        | _        | 56         | Н        | $\rightarrow$ | +       | +       | $\vdash$ | $\vdash$ | $\dashv$      | $\dashv$ | -        | 106      | $\dashv$ | +       | +       | +            | +        | $\vdash$ | +       | +   |
| _     | 7        | N        | +       | +       | +       | +       | +       | +       | Н        |          | 57         | Н        | +             | +       | +       | $\vdash$ | H        | $\dashv$      | $\dashv$ | $\vdash$ | 107      | $\dashv$ | +       | +       | +            | +        | $\vdash$ | +       | +   |
| _     | 8        | V        | +       | +       | +       | +       | +       | +       | Н        |          | 58         | Н        | $\rightarrow$ | +       | +       | _        | $\vdash$ | $\dashv$      | $\dashv$ | -        | 108      | $\dashv$ | +       | +       | +            | +        | $\vdash$ | +       | +   |
|       | 9        | v        | +       | +       | +       | +       | +       | +       | Н        |          | 59         | Н        | $^{+}$        | +       | +       |          | $\vdash$ | $\dashv$      | $\dashv$ | $\vdash$ | 109      | $\dashv$ | +       | +       | +            | +        | $\vdash$ | +       | 1   |
|       | 10       | V        | $^{+}$  | +       | +       | +       | +       | +       | Н        |          | 60         | Н        | $\neg$        | +       | +       | H        | $\vdash$ | $\dashv$      | _        | $\vdash$ | 110      | $\dashv$ | $^{+}$  | +       | +            | -        | $\vdash$ |         | 1   |
|       | 11       | V        | $\top$  | +       | $^{+}$  | +       | +       | $^{+}$  | Н        |          | 61         | Н        | $^{+}$        | $^{+}$  | +       | H        | Н        | $\neg$        | _        | $\vdash$ | 111      | $\dashv$ | $^{+}$  | +       | +            | $\vdash$ |          | +       | 1   |
|       | 12       | V        | $\top$  | +       | $^{+}$  | $^{+}$  | $^{+}$  | t       | Н        |          | 62         | H        | 7             | $^{+}$  | $^{+}$  | t        | H        | $\neg$        | _        |          | 112      | $\vdash$ | $^{-}$  | $^{+}$  | $^{\dagger}$ | t        | H        | _       | 1   |
|       | 13       | N        | $\top$  | $^{+}$  | $^{+}$  | $^{+}$  | T       | $^{+}$  | Н        |          | 63         | H        | $^{+}$        | $^{+}$  | $^{+}$  | t        | H        | $\dashv$      | _        |          | 113      | $\Box$   | $^{-}$  | $^{+}$  | $^{+}$       | T        | H        | _       | 1   |
|       | 14       | N        | $\top$  | +       | $^{+}$  | $^{+}$  | $^{+}$  | T       | П        |          | 64         | П        | 1             | $^{+}$  | $^{+}$  | T        | П        | $\neg$        | _        |          | 114      | П        | $\neg$  | $^{+}$  | $^{+}$       |          | Н        |         | 1   |
|       | 15       | N        | $\neg$  | 1       | $^{+}$  | 1       | T       | T       | П        |          | 65         | П        | 1             | +       | T       | Т        | П        | $\neg$        | _        |          | 115      | П        | $\neg$  | T       | T            |          | П        |         | 1   |
|       | 16       | N        |         | $\top$  | $\top$  | $\top$  |         |         | П        |          | 66         | П        | $\neg$        | _       |         |          | П        | $\neg$        | _        |          | 116      | П        | $\neg$  | T       |              |          |          |         | 1   |
|       | 17       | N        |         | $\top$  | $\top$  | $\top$  | $\top$  |         | П        |          | 67         | П        | $\neg$        |         | $\top$  |          | $\Box$   | $\neg$        | _        |          | 117      | $\Box$   | $\neg$  | $\top$  |              |          |          |         | 1   |
|       | 18       | N        | $\neg$  | $\top$  | $\top$  | $^{+}$  | $\top$  | $\top$  | П        |          | 68         | П        | 7             | $\top$  | т       |          | П        | $\neg$        | _        |          | 118      | П        | $\neg$  | т       | Т            | $\vdash$ | П        |         | 1   |
|       | 19       | N        |         |         | $\top$  | $\top$  | $\top$  | T       | П        |          | 69         | П        | 1             | $\top$  | $\top$  |          | П        | $\neg$        | _        |          | 119      |          | $\neg$  | $\top$  | T            |          |          |         | 1   |
|       | 20       | N        |         | $\top$  | $\top$  | $\top$  | $\top$  | $\top$  | П        |          | 70         | П        | 7             | $\top$  | $\top$  |          | П        | $\neg$        | _        |          | 120      |          | $\neg$  | т       | T            | $\vdash$ | П        |         | 1   |
|       | 21       | N        | $\neg$  | T       | $\neg$  | $\top$  | ┰       | т       | П        |          | 71         | П        | $\neg$        |         | $\top$  |          | П        | $\neg$        | 7        |          | 121      | П        | $\neg$  | Т       | т            |          | П        |         | 7   |
|       | 22       | N        | $\neg$  | $\top$  | т       | $\top$  | ┰       | т       | П        |          | 72         | П        | $\neg$        | $\top$  | $\top$  |          | П        | $\neg$        | _        |          | 122      | П        | $\neg$  | Т       | $\top$       |          | П        |         | 1   |
|       | 23       | N        | $\neg$  | $\top$  | $\top$  | т       | T       | Т       | П        |          | 73         | П        | ╅             | T       | T       | Т        | П        | $\neg$        | _        |          | 123      | П        | $\neg$  | т       | Т            | Т        | П        |         | 1   |
|       | 24       | П        | П       | Т       | Т       | Т       | Т       | Т       | П        |          | 74         | П        | $\neg$        | Т       | Т       | П        | П        | $\neg$        | 7        |          | 124      | П        | $\neg$  | Т       | Т            |          | П        |         | 7   |
|       | 25       |          |         | $\top$  |         | Т       | Т       | П       |          |          | 75         |          | $\Box$        |         | Т       |          |          | $\Box$        |          |          | 125      |          |         | Т       | Т            |          |          |         | ]   |
|       | 26       |          |         |         |         | Т       | Т       | Т       |          |          | 76         |          | T             | Т       | Т       |          |          |               |          |          | 126      |          |         | Т       |              |          |          |         | 1   |
|       | 27       |          | П       | Т       | Т       | Т       | Т       | П       |          |          | 77         | П        | Т             | Т       | Т       | Г        |          | $\Box$        |          |          | 127      |          |         | Т       | Т            |          |          |         | 7   |
|       | 28       |          |         | Т       |         |         |         |         |          |          | 78         |          |               |         |         |          |          |               |          |          | 128      |          |         |         |              |          |          |         | ]   |
|       | 29       |          |         |         |         |         |         |         |          |          | 79         |          |               |         |         |          |          |               |          |          | 129      |          |         |         |              |          |          |         | ┚   |
|       | 30       |          |         |         |         |         |         |         |          |          | 80         |          |               |         |         |          |          |               |          |          | 130      |          |         |         |              |          |          |         |     |
|       | 31       |          |         | $\perp$ | $\perp$ | $\perp$ | $\perp$ | ┸       | Ш        |          | 81         | Ш        | $\perp$       | $\perp$ | $\perp$ |          |          |               | _        |          | 131      |          | $\perp$ | $\perp$ |              |          |          | $\perp$ | ╛   |
|       | 32       |          | $\perp$ | $\perp$ | $\perp$ | 1       | $\perp$ | 1       | Ш        |          | 82         | Ш        | _             | 1       | $\perp$ | _        | П        | $\Box$        | _        |          | 132      |          | $\perp$ | $\perp$ |              |          | Ш        | 4       | 4   |
|       | 33       | _        | $\perp$ | 4       | _       | _       | $\perp$ | $\perp$ | Ш        |          | 83         | Ш        | _             |         | ┸       | ┖        | Ш        | _             | _        |          | 133      | Ш        | $\perp$ | ┸       | $\perp$      |          | Ш        | $\perp$ | ╛   |
|       | 34       | <b>L</b> | 4       | 4       | 4       | 4       | +       | 1       | Ш        | -        | 84         | Ш        | 4             | _       | 1       | _        | Ш        | _             | _        | <u></u>  | 134      | Ш        | +       | +       | $\perp$      |          | Ц        | 4       | 4   |
| _     | 35       | <u> </u> | $\perp$ | 4       | 4       | 4       | +       | 1       | Ш        | <u></u>  | 85         | Ш        | 4             | _       | $\perp$ | _        | ш        | _             | _        | _        | 135      | $\Box$   | $\perp$ | $\perp$ | $\perp$      | 1        | Ц        | 4       | 4   |
|       | 36       | <u> </u> | $\perp$ | 4       | 4       | +       | +       | 1       | Ш        | ⊢        | 86         | Ш        | 4             | _       | 1       | _        | Ш        | _             | _        | <u></u>  | 136      | Ш        | +       | +       | $\perp$      | 1        | Н        | 4       | 4   |
|       | 37       | _        | _       | 1       | _       | 4       | $\perp$ | 1       | Ш        | -        | 87         | Ш        | 4             | 1       | 1       | _        | $\sqcup$ | _             | _        | _        | 137      | Ц        | $\perp$ | $\perp$ | $\perp$      | 1        | Ц        | 4       | 4   |
|       | 38       | $\vdash$ |         | 1       | -       | +       | +       | +       |          | -        | 88         | Н        | -             | +       | +       | -        |          |               | _        |          | 138      | $\Box$   | -       | +       | 1            | μ,       | ш        | 4       | -1  |
|       | 39       | _        | 4       | 4       | 4       | +       | +       | 4       | $\sqcup$ | <u></u>  | 89         | Н        | 4             | 4       | +       | ┺        | ш        | _             | _        | -        | 139      | $\Box$   | $\perp$ | +       | $\perp$      | $\vdash$ | Н        | 4       | -[  |
|       | 40       | ⊢        | 4       | 4       | 4       | 4       | +       | +       | $\perp$  | <u></u>  | 90         | Н        | 4             | +       | +       | ⊢        | $\sqcup$ | _             | _        | _        | 140      | $\sqcup$ | $\perp$ | +       | $\perp$      | ⊢        | Н        | _       | 4   |
| -     | 41       | <u> </u> | 4       | +       | +       | 4       | +       | +       | $\vdash$ | -        | 91         | Ш        | 4             | +       | +       | ┞-       | Н        | _             | _        | _        | 141      | $\sqcup$ | +       | +       | +            | $\vdash$ | Н        | +       | - - |
| _     | 42       | ⊢        | 4       | +       | +       | +       | +       | +       | $\vdash$ | -        | 92         | Н        | 4             | +       | +       | ⊢        | Н        | -             |          | -        | 142      | Н        | +       | +       | +            | $\vdash$ | Н        | +       | 4   |
| -     | 43       | ⊢        | +       | +       | +       | +       | +       | ╀       | -        | -        | 93         | Н        | +             | +       | +       | ⊢        | $\vdash$ | -             | -        | -        | 143      | $\vdash$ | +       | +       | +            | $\vdash$ | $\vdash$ | +       | -   |
| -     | 44       | ⊢        | +       | +       | +       | +       | +       | ╀       | -        | -        | 94         | Н        | +             | +       | +       | ⊢        | $\vdash$ | -             | -        | -        | 144      | $\vdash$ | +       | +       | +            | $\vdash$ | $\vdash$ | +       | -1  |
| _     | 45       | ⊢        | +       | +       | +       | +       | +       | +       | $\vdash$ | -        | 95         | Н        | +             | +       | +       | ⊢        | $\vdash$ | -             | -        | -        | 145      | $\vdash$ | +       | +       | +            | $\vdash$ | $\vdash$ | +       | 4   |
|       | 46       | $\vdash$ | +       | +       | +       | +       | +       | +       | +        | -        | 96         | Н        | $\rightarrow$ | +       | +       | $\vdash$ | $\vdash$ | $\rightarrow$ | -        | 1        | 146      | $\vdash$ | +       | +       | +            | $\vdash$ | $\vdash$ | +       | +   |
|       | 47       | $\vdash$ | +       | +       | +       | +       | +       | +       | Н        | -        | 97         | Н        | $\rightarrow$ | +       | +       | $\vdash$ | Н        | $\rightarrow$ | -        | $\vdash$ | 147      | $\vdash$ | +       | +       | +            | $\vdash$ | $\vdash$ | +       | 4   |
|       | 40       | Η.       | +       | +       | +       | +       | +       | +       | Н        | $\vdash$ | 90         | Н        | +             | +       | +       | $\vdash$ | $\vdash$ | $\rightarrow$ | $\dashv$ | $\vdash$ | 140      | $\vdash$ | +       | +       | +            | $\vdash$ | $\vdash$ | +       | 4   |
| -     | 49       | $\vdash$ | +       | +       | +       | +       | +       | +       | Н        | $\vdash$ | 99         | $\vdash$ | +             | +       | +       | ⊢        | $\vdash$ | -             | -        | $\vdash$ | 149      | $\vdash$ | +       | +       | +            | $\vdash$ | $\vdash$ | +       | 4   |
| _     | 50       | $\perp$  | $\perp$ | ⊥       |         | 丄       | ┸       | 1_      | ш        |          | 100        | ш        |               | ㅗ       | $\perp$ | _        | ш        |               |          |          | 150      | $\Box$   |         | ┸       |              | $\perp$  | ш        |         |     |